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SEQUENCE LISTING

<110> Bavarian Nordic A/S

<120> Vaccinia virus host range genes to increase the titer of
avipoxviruses

<130> 23117

<150> DK PA 2002 01189

<151> 2002-09-08

<160> 4

<170> PatentIn version 3.3

<210> 1

<211> 615

<212> DNA

<213> MVA

<220>

<221> estimated promoter sequence for C7L in MVA

<222> (1)..(162)

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<221> CDS

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aaattactat taacgccgtc ggtattcggt catccattca gt atg ggt ata cag 174

Met Gly Ile Gln

1

cac gaa ttc gac atc att att aat gga gat atc gcg ttg aga aat tta 222

His Glu Phe Asp Ile Ile Ile Asn Gly Asp Ile Ala Leu Arg Asn Leu

5 10 15 20

cag tta cat aaa ggg gat aac tac gga tgc aaa cta aaa att att tcg 270

Gln Leu His Lys Gly Asp Asn Tyr Gly Cys Lys Leu Lys Ile Ile Ser

25 30 35

aat gat tac aag aaa tta aag ttt aga ttc att ata cgc cca gat tgg 318

Asn Asp Tyr Lys Lys Leu Lys Phe Arg Phe Ile Ile Arg Pro Asp Trp

40 45 50

tcg gaa atc gac gag gtc aaa gga tta acc gta ttt gca aac aac tat 366

Ser Glu Ile Asp Glu Val Lys Gly Leu Thr Val Phe Ala Asn Asn Tyr

55 60 65

gcg gtg aaa gtt aat aag gta gat gac acg ttc tat tac gta ata tat 414

Ala Val Lys Val Asn Lys Val Asp Asp Thr Phe Tyr Tyr Val Ile Tyr

70 75 80

gag gct gta ata cat ctg tat aac aaa aaa aca gag ata ttg att tat 462

Glu Ala Val Ile His Leu Tyr Asn Lys Lys Thr Glu Ile Leu Ile Tyr

85	90	95	100	
tct gat gat gag aac gaa ctc ttt aaa cac tat tac cca tac atc agt				510
Ser Asp Asp Glu Asn Glu Leu Phe Lys His Tyr Tyr Pro Tyr Ile Ser				
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cta aat atg att agt aaa aag tat aaa gtt aaa gaa gaa aac tac tca				558
Leu Asn Met Ile Ser Lys Lys Tyr Lys Val Lys Glu Glu Asn Tyr Ser				
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Lys Ile Ile Ser Asn Asp Tyr Lys Lys Leu Lys Phe Arg Phe Ile Ile				
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Arg Pro Asp Trp Ser Glu Ile Asp Glu Val Lys Gly Leu Thr Val Phe				
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Ala Asn Asn Tyr Ala Val Lys Val Asn Lys Val Asp Asp Thr Phe Tyr				
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Tyr Val Ile Tyr Glu Ala Val Ile His Leu Tyr Asn Lys Lys Thr Glu				
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Ile Leu Ile Tyr Ser Asp Asp Glu Asn Glu Leu Phe Lys His Tyr Tyr				
	100	105	110	
Pro Tyr Ile Ser Leu Asn Met Ile Ser Lys Lys Tyr Lys Val Lys Glu				
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Glu Asn Tyr Ser Ser Pro Tyr Ile Glu His Pro Leu Ile Pro Tyr Arg				
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SUBSTITUTE SHEET

Asp Tyr Glu Ser Met Asp
145 150

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<212> DNA
<213> Canarypoxvirus

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aatatcattt tatgacaggg tataaatata aaaatgataa acagagattt aaaattacaa 240
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cagtaaagac ggtccagcgt agacgtggaa acgatgagga taataagttt acttgatatcc	540
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